| Ir | idex of | Claims |  |
|----|---------|--------|--|
|    |         |        |  |

| Appli | cati | on/( | Cont | rol | No |
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|-------|------|------|------|-----|----|

10/707,453 Examiner

Applicant(s)/Patent under Reexamination

CHANG ET AL

Art Unit 2871

Tarifur R. Chowdhury

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|              |          |              | ٠        |            |              |                | ٠.       |          |          |  |       |              |          |                 |               |          | _        |              |  |           |
|--------------|----------|--------------|----------|------------|--------------|----------------|----------|----------|----------|--|-------|--------------|----------|-----------------|---------------|----------|----------|--------------|--|-----------|
| Cla          | im       |              | _        |            |              | Date           | е        |          |          |  | Claim |              |          |                 | Date          |          |          |              |  |           |
| Final        | Original | 5/1/05       | !        |            |              |                | ·        |          |          |  |       | Final        | Original |                 |               |          |          |              |  |           |
|              | 1        | 1            |          |            |              | Г              |          |          |          |  |       |              | 51       |                 |               |          | Τ        | 1            |  | Γ         |
|              | 2        | 1            |          |            |              |                |          |          |          |  |       |              | 52       |                 | Т             |          |          | П            |  | Γ         |
|              | 3        | 1            |          |            |              |                |          |          |          |  |       |              | 53       |                 |               |          |          |              | $\Box$                                 |           |
|              | 4        | 1            |          |            |              |                |          |          |          |  |       |              | 54       |                 |               |          |          |              |  | L         |
|              | 5        | 1            |          |            |              |                |          |          |          |  |       |              | 55       |                 |               |          |          |              |  | Γ         |
|              | 6        | 1            |          |            |              |                |          |          |          |  |       |              | 56       |                 | Т             |          |          | T            |  |           |
|              | 7        | 1            |          |            |              |                |          |          |          |  |       |              | 57       |                 |               |          |          |              |  |           |
|              | 8        | 1            |          |            |              |                |          |          |          |  |       |              | 58       |                 |               |          |          | L            | L                                      | L         |
|              | 9        | V            |          |            |              |                |          |          |          |  |       |              | 59       |                 | $\perp$       | $\perp$  |          | <u> </u>     |  | L         |
|              | 10       | 1            |          |            |              |                |          |          |          |  |       |              | 60       |                 | $\perp$       | $\perp$  |          | $\downarrow$ | 上                                      | L         |
|              | 11       | 1            | Ŀ        |            |              |                |          |          | L        |  |       |              | 61       |                 | $\perp$       |          |          |              |  | ┖         |
| <u></u>      | 12       | ٧            |          | 乚          |              |                |          | L        | <u> </u> | L  |       |              | 62       |                 |               |          | <u> </u> |              | ļ.,                                    | ↓_        |
|              | 13       | 1            | <u>L</u> | oxdot      | _            | L.             | _        | <u> </u> |          |  |       |              | 63       | $\perp$         | $\perp$       | $\perp$  | ⊥_       | ↓_           | ــــــــــــــــــــــــــــــــــــــ | Ļ         |
| <u></u>      | 14       | 1            | <u> </u> |            |              |                |          | L        | <u> </u> |  |       |              | 64       | $\perp$         | $\perp$       | _        | 1_       | $\perp$      |  | 1         |
|              | 15       | 1            | <u> </u> | <u> </u>   | <u> </u>     |                | L        | _        | <u> </u> | _  |       |              | 65       |                 | $\perp$       | $\perp$  | ↓_       | 1_           | <u> </u>                               | ╀         |
|              | 16       | 1            | <u> </u> | <u> </u>   | _            |                | L        | _        | L.       | L.   |       |              | 66       | _               | 4             | _        | _        | ╽            | <u>↓</u>                               | ╀         |
|              | 17       | 1            | ļ        | <u> </u>   |              |                | _        | _        | <u> </u> | _  |       |              | 67       | $\perp$         | 4             |          | 4        | 4_           | <u> </u>                               | ╀         |
| L_           | 18       | 1            |          | ļ          |              | _              | L        | _        |          | _  |       |              | 68       | $\perp$         | 4             | ┸        | ╄.       | 4            | ↓_                                     | ╀         |
|              | 19       | 1            | L_       | lacksquare | L_           | L_             | <u> </u> | L        | L        | _  | Į     |              | 69       |                 | _             | 4        | +        | $\bot$       | ـ                                      | ╀         |
| L            | 20       |              | <u> </u> | ╙          |              |                |          |          |          |  | Į     |              | 70       |                 | _             |          | ╀        | ╄            | 1                                      | ╀         |
|              | 21       | _            | Ļ.,      | ļ          |              |                |          | L        |          |  | '     |              | 71       | $\perp$         | $\bot$        | _        | ╀        | <del> </del> | $\perp$                                | ╀         |
|              | 22       | ļ            |          | _          |              | <u>L</u>       |          | L        |          | _  |       |              | 72       | $\perp$         | $\bot$        | _        | ↓_       | ↓_           | ╄                                      | ╀         |
|              | 23       | L            | <u> </u> | ᆫ          | L            | <u> </u>       | _        | <u> </u> |          | _  |       |              | 73       | _               | 4             | 4        | $\perp$  | ╄            |  | ╄         |
|              | 24       |              | <u> </u> | ļ          | _            | <u> </u>       | <u> </u> | _        |          | _  |       |              | 74       | _               | 4             | _        | +-       | -            | ╄                                      | ╀         |
|              | 25       | <u> </u>     | <u> </u> | <u> </u>   | _            | _              |          | _        |          | L  |       |              | 75       | _               | _             | +        | $\bot$   | ╀-           | ╄                                      | ╀         |
| L            | 26       | _            | <u> </u> | _          |              |                |          | <b>!</b> |          | ╙  |       |              | 76       | -               |               | +        | +        | +            |  | ╀         |
| <u></u>      | 27       | _            | ┞        | ــــ       | _            |                | <u> </u> | 1_       | _        | ┡  |       |              | 77       | _               |               | - -      | +        | +            | ┼                                      | ╀         |
| <u> </u>     | 28       | L            | ╙        | ļ          | _            | <u> </u>       | <u> </u> | ļ        |          | ┢  |       |              | 78       |                 | _             | -        | +        | +            | ┼                                      | ╀         |
|              | 29       | ⊢            | ├-       | <u> </u>   | ⊢            | <u> </u>       |          |          | <u> </u> | ļ  |       | -            | 79       |                 | +             | +        | +        | +            | ₩                                      | ╀         |
|              | 30       | -            | ┝        | ┡          |              | ١              | ⊢        | _        | <u> </u> | ŀ٠   |       | <b></b> -    | 80       |                 |               | +        | +        | ╁            | ╀                                      | ╀         |
|              | 31       | <u> </u>     | ├        | ├          |              | ⊢              | ├-       | -        | _        | ├  | ł     |              | 81       |                 | +             | -        | +-       | ╁            | ┼                                      | ╀         |
|              | 32       | ⊢            | ⊢        | -          | ├            | ⊢              | ⊢        | ļ        | _        | <u> </u>   | ł     |              | 82       | $\vdash$        | +             |          | +        | ╀            | ┼                                      | ╀         |
| <u> </u>     | 33       |              | -        | $\vdash$   | _            | ┝              | <u> </u> | ⊢        | -        |  |       |              | 83       | $\dashv$        | +             | +        | +        | +-           | ₩                                      | ╀         |
| <b>—</b>     | 34       | ⊢            | $\vdash$ | -          | $\vdash$     | ╀              | ├—       | $\vdash$ | $\vdash$ | ├-   |       | <u> </u>     | 84<br>85 | $\vdash$        | +             | +        | +        | +            | ╁                                      | +         |
|              | 35       | ⊢            | $\vdash$ | ├          | ├            | ⊢              | $\vdash$ |          | $\vdash$ | $\vdash$   |       | ├            | 86       | $\vdash$        | +             | +-       |          |              | +                                      | +         |
| <u> </u>     | 36<br>37 | -            | $\vdash$ | $\vdash$   | $\vdash$     | ├              | $\vdash$ | ├        | -        | ┢  | "     | <del> </del> | 87       | $\vdash$        | +             | +        | +        | +            | ╁                                      | +         |
| <u> </u>     |          | ├            | 1        | $\vdash$   | ⊢            | ├              | ┢        | -        | $\vdash$ | ├  | 1     | <u> </u>     | 88       | $\vdash$        | +             | +        | +        | +-           | +                                      | ╁         |
| <u> </u>     | 38       | <del> </del> | $\vdash$ | $\vdash$   | ₩            | $\vdash$       | $\vdash$ | ╁        |          | $\vdash$   |       | <b> </b>     | 89       | $\vdash$        | +             | +        | +-       | +-           | +                                      | +         |
| $\vdash$     | 39       | $\vdash$     | ┼        | -          | $\vdash$     | $\vdash$       | H        | +-       | $\vdash$ | ⊢  | 1     | <del> </del> | _        | $\vdash$        | +             | +        | +-       | +            | +                                      | +         |
| <b>-</b>     | 40       | $\vdash$     | ╁╾       | $\vdash$   | ├-           | ╁─             | +-       | $\vdash$ | $\vdash$ | -  | 1     | <del> </del> | 90       | $\vdash \vdash$ | +             | +        | +        | +            | +                                      | +         |
| -            | 42       | +            | +-       | +          | $\vdash$     | $\vdash$       | +-       | $\vdash$ | $\vdash$ | $\vdash$   | ł     | $\vdash$     | 92       | $\vdash \vdash$ | +             | +        | +-       | +            | +                                      | 十         |
|              | 43       | ├            | -        | +          | <del> </del> | $\vdash$       | $\vdash$ | ├        | 1        | $\vdash$   |       | $\vdash$     | 93       | $\vdash$        | +             | +        | +        | +-           | +                                      | $\dagger$ |
| $\vdash$     | 44       | $\vdash$     | ╁╌       | t          | +-           | -              | $\vdash$ | $\vdash$ | $\vdash$ | <del>                                     </del> | 1     | $\vdash$     | 94       | $\vdash$        | +             | +        | +        | +            | +                                      | 十         |
| -            | 45       | ╁            | ╂        | 1-         | ┢            | +              | H        |          | $\vdash$ | -  | 1     | <u> </u>     | 95       |                 | $\overline{}$ | +        | +        | +-           | +                                      | +         |
| -            | 46       | H            | $\vdash$ | $\vdash$   | $\vdash$     | 1              | +        | +        | $\vdash$ |  | 1     | _            | 96       | $\vdash$        | +             | +        | +        | +-           | 十                                      | †         |
| <u> </u>     | 47       | 1            | H        | +-         | t            | <del>  -</del> | 1        | $\vdash$ |          | <del> </del>                                     | 1     | $\vdash$     | 97       | $\vdash$        | +             | +        | 十        | +            | +-                                     | +         |
| <del> </del> | 48       | t            | +-       | +-         | H            | <del> </del>   | H        | $\vdash$ | $\vdash$ | <del> </del>                                     | 1     |              | 98       | $\vdash \vdash$ | +             | +        | ╅        | $\top$       | +                                      | t         |
| <del> </del> | 49       | $t^{-}$      | 1        | t          | $\vdash$     | $\vdash$       | т        | $\vdash$ | $\vdash$ | $\vdash$   | 1     |              | 99       | $\vdash \vdash$ | $\dashv$      | $\dashv$ | +        | +-           | +                                      | †         |
| <b>—</b>     | 50       | t            | +-       | $\vdash$   | $\vdash$     | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$ |  | 1     |              | 100      | $\vdash$        | +             | +        | +-       | +-           | 十                                      | Ť         |
| Ь            | 1 00     | —            | 1        |            |              |                | 1        | ц_       | Ц.       | Ь  | J     | Щ            | ,        | ш.              |               |          |          |              |  | _         |

| Cla      | aim            |  |              |  | С        | ate          |          |          |  |          |
|----------|----------------|--|--------------|--|----------|--------------|----------|----------|--|----------|
|          |                |  |              | $\Box$   |          |              | Ī        |          |  |          |
| Final    | Original       |  |              |  |          |              |          |          |  |          |
|          | 51             |  |              |  |          |              |          |          |  |          |
|          | 52<br>53       |  |              |  |          |              |          |          |  |          |
|          | 53             |  |              |  |          |              |          |          |  |          |
|          | 54<br>55       |  |              |  |          |              |          |          |  |          |
|          | 55             |  |              |  |          |              |          |          |  |          |
|          | 56<br>57       |  |              |  |          |              | _        |          |  |          |
| ļ        | 57             |  |              |  |          |              | _        |          |  |          |
|          | 58             |  |              |  |          | _            | _        |          | -  |          |
|          | 59             |  |              |  |          |              |          |          | _  |          |
|          | 60<br>61       | $\vdash$   |              |  | -        | -            | -        |          | _  |          |
|          | 62             | _  | $\vdash$     | _  |          |              |          |          |  |          |
| -        | 63             | $\vdash$   | $\vdash$     |  | -        |              |          |          |  |          |
|          | 64             | $\vdash$   | $\vdash$     |  | $\vdash$ |              | -        |          |  |          |
|          | 65             |  |              | H  | Н        |              | _        |          | Н  |          |
|          | 66             | -  |              |  |          |              |          |          |  |          |
|          | 67             |  | $\vdash$     |  |          |              |          |          |  |          |
|          | 68             |  |              |  |          |              |          |          |  |          |
|          | 69             |  |              |  |          |              |          |          |  |          |
|          | 70             |  |              |  |          |              |          |          |  |          |
|          | 71             |  |              |  |          |              |          |          |  |          |
|          | 71<br>72<br>73 |  |              |  |          |              |          |          |  |          |
|          | 73             |  |              |  |          |              |          |          |  |          |
|          | 74<br>75       |  |              |  |          |              |          |          |  |          |
| <u> </u> | 75             |  |              |  | Ш        |              |          | _        |  |          |
| <u> </u> | 76<br>77       |  | _            | _  | Ш        | _            |          | _        | L  |          |
| -        | 78             | _  | _            |  |          | _            |          | _        | H  |          |
| -        | 79             |  |              |  | _        |              | _        |          | $\vdash$   | _        |
| -        | 80             | _  | $\vdash$     |  |          | _            |          |          | $\vdash$   |          |
|          | 81             |  | _            | _  |          | -            |          |          | -  | -        |
|          | 82             |  |              | H  |          |              |          |          |  | Н        |
|          | 82<br>83       | t  | H            | Г  |          | Т            |          | _        | Г  | Т        |
| :        | 84             | $\vdash$   | $\vdash$     | Г  |          |              |          |          | Г  | Г        |
|          | 85             |  |              |  |          |              |          |          |  |          |
|          | 86             |  |              |  |          |              |          |          |  |          |
|          | 87             |  |              |  |          |              |          |          |  |          |
|          | 88             |  |              | _  | Щ        | L.           |          |          | $ldsymbol{f eta}$                                |          |
| <u></u>  | 89             | <u> _</u>  | <u> </u>     | <u> </u>   | L_       |              | <u> </u> |          | <u> </u>   | <u> </u> |
|          | 90             | $\vdash$   | $\vdash$     | $\vdash$   | _        | <u> </u>     | _        | <u> </u> | <u> </u>   | L        |
| <u></u>  | 91             | <u> </u>   | <del> </del> | <del> </del>                                     | $\vdash$ | ├-           | <u> </u> | <u> </u> | <del> </del>                                     | <u> </u> |
| -        | 92<br>93       | $\vdash$   | $\vdash$     | -  | $\vdash$ | <u> </u>     |          | ⊢        | $\vdash$   | -        |
| $\vdash$ | 94             | <del> </del>                                     | ╢            | $\vdash$   |          | $\vdash$     |          | -        | ⊢  | -        |
| $\vdash$ | 95             |  | -            | $\vdash$   | $\vdash$ | <del> </del> | -        | $\vdash$ | <del> </del>                                     | $\vdash$ |
|          | 96             | $\vdash$   | H            |  | Н        |              | -        |          | <del>                                     </del> | H        |
|          | 97             | <del>                                     </del> | -            | <del>                                     </del> |          | -            |          | _        | $\vdash$   |          |
|          | 98             | Г  |              | $\vdash$   | _        | $\vdash$     | $\vdash$ |          |  | Γ        |
|          | 99             |  | Г            | Г  |          |              | Г        |          |  |          |
| 1        | 100            | t  | t –          | г  | $\vdash$ | · ·          |          |          | $\overline{}$                                    |          |

| Cla          | aim  | Date   |          |  |  |               |                                     |               |  | $\neg$          |
|--------------|--|--|----------|--|--|---------------|-------------------------------------|---------------|--|-----------------|
|              |  |  |          |  | Ť  |               |                                     | $\neg \gamma$ | $\neg$   | $\dashv$        |
| Final        | Original   |  |          |  |  |               |                                     |               |  |                 |
|              | 101  |  |          |  |  |               |                                     |               |  |                 |
|              | 101<br>102   |  |          |  |  |               |                                     |               |  |                 |
|              | 103  |  |          |  |  |               |                                     |               |  |                 |
|              | 104  |  |          |  |  |               |                                     |               |  |                 |
|              | 104<br>105   |  |          |  |  |               |                                     |               |  |                 |
|              | 106  |  |          |  |  | _             |                                     |               |  |                 |
|              | 107<br>108   |  |          |  |  |               | _                                   |               | _  |                 |
|              | 108  |  |          |  |  |               |                                     |               |  | _               |
|              | 109  |  |          |  |  |               |                                     |               | _  | _               |
|              | 110  |  |          | _  |  |               |                                     |               |  |                 |
|              | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117 | L.J  |          | L.   |  | $\sqsubseteq$ | L.                                  | Щ             |  | Щ               |
|              | 112  | Щ  |          | Ш  |  | <u> </u>      | Щ                                   |               |  |                 |
|              | 113  | Щ  |          | Щ  | Щ  | L             |                                     |               |  |                 |
|              | 114  | _  | $\vdash$ | Щ  | $\square$  | <u> </u>      | Ш                                   |               |  |                 |
|              | 115  | Н  | $\vdash$ | Н  |  | <u> </u>      | <u> </u>                            |               |  | $\dashv$        |
|              | 116  |  |          | Н  |  | <u> </u>      | <u> </u>                            |               |  |                 |
|              | 11/  | $\vdash$   |          | H  |  | _             | <u> </u>                            |               |  | $\dashv$        |
|              | 118<br>119   | $\vdash$   | -        |  |  | $\vdash$      | <u> </u>                            |               | _  | $\dashv$        |
|              | 120  | -  |          |  |  | $\vdash$      | ┝                                   |               |  | $\dashv$        |
|              | 120  | $\vdash$   | -        |  |  | ⊢             | ⊢                                   |               |  | $\dashv$        |
|              | 121<br>122   |  | _        | _  |  | -             | $\vdash$                            |               |  | Н               |
|              | 123  |  | _        | _  | _  | -             | $\vdash$                            | _             | _  | $\dashv$        |
|              | 124  | <del>-</del>                                     | -        | -  |  | $\vdash$      |                                     |               |  | $\dashv$        |
|              | 123<br>124<br>125                                    | ┢─   |          |  |  |               | ┢                                   |               | _  | -               |
|              | 126  |  |          |  |  |               |                                     |               |  | П               |
|              | 126<br>127<br>128                                    |  |          |  |  |               |                                     |               |  |                 |
|              | 128  |  |          |  |  |               |                                     |               |  |                 |
|              | 129<br>130<br>131                                    |  |          |  |  |               |                                     |               |  |                 |
|              | 130  |  |          |  |  |               | L                                   |               | L  |                 |
|              | 131  |  |          | L  |  |               |                                     |               | _  | Ш               |
|              | 132<br>133   | <u> </u>   | <u> </u> | L.   | <u> </u>   | <u> </u>      | <u> </u>                            |               | _  | Щ               |
|              | 133  |  | _        | _  | L.   |               | L-                                  | <u> </u>      | <u> </u>   | Щ               |
| <b></b>      | 134  | $\vdash$   | <u> </u> | <u> </u>   |  | <u> </u>      | <u> </u>                            | <u> </u>      | <u> </u>   | Щ               |
|              | 135<br>136   | ⊢  | $\vdash$ | <del>                                     </del> |  | -             | $\vdash$                            | $\vdash$      | ├-   | $\vdash$        |
| <del>-</del> | 136  | $\vdash$   | $\vdash$ | ├  | _  | ⊢             | ⊢                                   | $\vdash$      | <del> </del>                                     | $\vdash$        |
|              | 138  | $\vdash$   | <u> </u> | $\vdash$   | $\vdash$   |               | -                                   | -             | <del> </del>                                     | $\vdash \vdash$ |
| <u> </u>     | 139  | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$   | -             | <del> </del>                        | $\vdash$      | <del>                                     </del> | $\vdash \vdash$ |
|              | 140  | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$   |               | $\vdash$                            | $\vdash$      | $\vdash$   | $\vdash \vdash$ |
|              | 141  |  |          |  | Г  |               |                                     |               |  | П               |
|              | 142  |  |          |  |  | Г             |                                     |               |  |                 |
|              | 143  |  |          |  |  |               | L                                   |               |  |                 |
|              | 144  |  |          |  |  |               |                                     |               | 匚  |                 |
|              | 145  |  |          |  |  |               |                                     |               |  |                 |
|              | 146  |  |          |  | L  | L             |                                     |               |  | Ш               |
|              | 147  | L_   | Ь.       |  | <u> </u>   | <u> </u>      |                                     | <u> </u>      | <u> </u>   | Ш               |
|              | 148  | _  | _        | L_   | _  | _             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>      | <u> </u>   | Щ               |
|              | 149  | L  | <u> </u> | <u> </u>   | $ldsymbol{ld}}}}}}$ | _             | <u> </u>                            | <u> </u>      | $ldsymbol{ldsymbol{\sqcup}}$                     | Ш               |
| L            | 150  | L  |          |  | L  | L_            |                                     | L_            | <u> </u>   | $\sqcup$        |